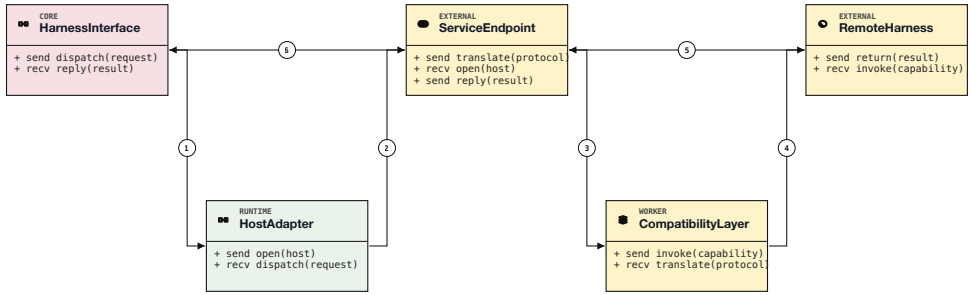
P29 Harness mimicry and service hosting

Primitive · A² A1/A3 · bridge role collaboration

Preserve an interface while changing its implementation or host.

STRUCTURE · PARTICIPANT COLLABORATION



PATTERN INTERFACE

context
One harness exposes or consumes an external agent-client or service interface.

trigger
A remote client invokes the adapter or a hosted backend is selected.

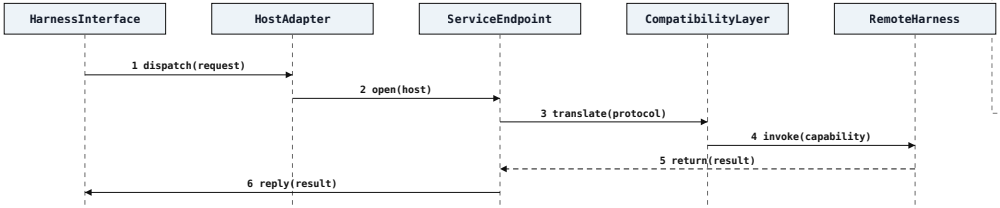
structure
Protocol adapter, identity, capability mapping, and service boundary.

effect
The external protocol is preserved while semantics and permissions are translated explicitly.

CONTRACT ANNOTATIONS

requires	Protocol version and capability mapping are known.
ensures	Requests, results, and errors satisfy the compatibility contract.
invariant	Interface compatibility does not erase backend-specific authorization or effects.
violation	Unsupported capabilities, disconnects, and translation errors are explicit.

INTERACTION



MESSAGE TRACE `1 dispatch(request) → 2 open(host) → 3 translate(protocol) → 4 invoke(capability) → 5 return(result) → 6 reply(result)`

Evidence: 32/41 repositories, 29/36 families; 32 trajectories (17 multi-checkpoint); exact audit: not sampled.

Variation: ACP emulation, server hosting, transport adapter, and backend registry.

Negative control: A similar function signature without protocol compatibility is insufficient.